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Abstract

1. Exhaust gas aftertreatment installation and method.
- 2.1. The invention relates to an exhaust gas aftertreatment installation with a nitrogen oxide storage catalytic converter and an SCR catalytic converter, and to an associated exhaust gas aftertreatment method.
- 2.2. According to the invention, a particulate filter is provided upstream of the nitrogen oxide storage catalytic converter or between the latter and the SCR catalytic converter or downstream of the SCR catalytic converter, and/or an NO₂-producing catalytic converter is provided upstream of the SCR catalytic converter. The time of regeneration operating phases of the nitrogen oxide storage catalytic converter can be determined as a function of the nitrogen oxide content of the exhaust gas downstream of the nitrogen oxide storage catalytic converter or of the SCR catalytic converter and/or as a function of the ammonia loading of the latter. Moreover, a desired ammonia generation quantity can be determined for a respective regeneration operating phase.
- 2.3. Use, for example, for motor vehicle internal combustion engines which are operated predominantly in lean-burn mode.